

Oil Field Environmental Incident Summary

Incident: 20140908115524 **Date/Time of Notice:** 09/08/2014 11:55
Responsible Party: LIBERTY RESOURCES MANAGEMENT COMPANY, LLC
Well Operator: LIBERTY RESOURCES MANAGEMENT COMPANY, LLC
Well Name: ERICKSON C 1
Field Name: GLASS BLUFF **Well File #:** 10879
Date Incident: 9/6/2014 **Time Incident:** 15:00 **Facility ID Number:**
County: MCKENZIE **Twp:** 152 **Rng:** 103 **Sec:** 34 **Qtr:**
Location Description:

Submitted By: Chris Clark **Received By:**
Contact Person: Chris Clark
1200 17TH STREET, SUITE 2050
1200 17th Street, Suite 2051
DENVER, CO 80202

General Land Use: Cultivated **Affected Medium:** Topsoil

Distance Nearest Occupied Building: 0.6 Mile
Distance Nearest Water Well: 0.6 Mile

Type of Incident Other

Release Contained in Dike Yes - On Constructed Well Site **Reported to NRC:** No
Spilled **Units** **Recovered** **Units** **Followup** **Units**

Oil

Brine	25	Barrels	25	Barrels
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Other

Description of Other Released Contaminant:

Un-known vehicle ran into/over injection flow line for Erickson C1 and broke line off above ground causing release of salt water.

Inspected: **Written Report Received:** **Clean Up Concluded:**

Risk Evaluation:

none

Areal Extent:

Potential Environmental Impacts:

Spill was contained and cleaned upon notice of incident.

Action Taken or Planned:

Place fencing around facility

Wastes Disposal Location: Soil has been cleaned up and taken to Flat Land Disposal

Agencies Involved:

Updates

Date: 9/8/2014 **Status:** Reviewed; Followup Required **Author:** Stockdill, Scott

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

According to the incident summary, this spill impacted the surrounding area. Followup is necessary.

Date: 9/10/2014 **Status:** Inspected; More Followup Required **Author:** Cooper, Mike

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

The weather was 45 °F, cloudy, with wind from the northeast ten miles per hour. According to the incident summary, this spill impacted the surrounding area. No clean-up has taken place on or off site. Follow-up is necessary.

Date: 10/28/2014 **Status:** Inspected; More Followup Required **Author:** Espe, Brady

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

Arrived at the site at 2:00 p.m. The weather was 38 °F and cloudy, with the wind 20+ mph from the northwest. The site pad has been scraped up, and a new dirt dike has been placed around the well pad. A fence has been placed around the well head. South side of pad has been scraped up, but the scraper work did not go out into the grass field to south. Would follow up next spring to check vegetation to south of pad for impacts.

Date: 6/10/2015 **Status:** Inspected; More Followup Required **Author:** Washek, Sandi

Updated Oil Volume:

Updated Salt Water Volume: 25.00 barrels

Updated Other Volume:

Updated Other Contaminant

Notes:

Arrived on site at 3:15 p.m. Weather was overcast with wind out of the east at 10 mph. Temp 70 degree F. Walked site and observed dead vegetation south of the pad. The area has two areas where the vegetation is impacted. One area is about 3 feet wide by 30 feet long, and the other is about 10 feet wide by 4 feet long. Conducted soil conductivity testing of the impacted area. The following was recoded:

4" = 1833 uS

8" = 2.08 mS

12" = 2.51mS

16" = 4.45mS

20" = 6.12mS

Background was taken across the road in the hay field to the east Background readings are:

4" = 560uS

12" = 649uS

The area of impact needs additional remediation due to elevated levels of brine in the soil.

More follow-up required.

Date: 9/2/2015 **Status:** Inspected; More Followup Required **Author:** Washek, Sandi

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

Arrived on site at 3:00 p.m. Sunny, 94 degrees, wind out of the southwest at 15 mph. No remediation has occurred since the last inspection that occurred in June 2015. Additional followup will be needed.